2018-19

QUALITY CONTROL TEST REPORT

Name of the Client: **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency: **Sri. M. S. Venkatesh,** Contractor, Bangalore.

Name of the Work: Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.

PROJECT MANAGEMENT CONSULTANTS

M/s. CIVIL QUALITY CONSULTANTS & ENGINEERS

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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date: 25.12.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
AGENCY	:	**Sri. M S Venkatesh,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	400 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date : 25.12.2018

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **Sri. M S Venkatesh,** Contractor, Bangalore.
Name of Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.

Date of Testing : 25.12.2018

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	83	8.30	8.30	91.7	90-100
2.36	152	15.20	23.50	76.5	75-100
1.18	173	17.30	40.80	59.2	55-90
600 Micron	341	34.10	74.90	25.1	35-59
300 Micron	157	15.70	90.60	9.4	8-30
150 Micron	78	7.80	98.40	1.6	0-10

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date : 25.12.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **Sri. M S Venkatesh,** Contractor, Bangalore.
Name of Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.
Date of Testing : 25.12.2018
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	164	1.09	1.09	98.91	95-100
20	8324	55.49	56.59	43.41	30-70
10	3254	21.69	78.28	21.72	10-35
4.75	2643	17.62	95.90	4.10	0-5

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date : 25.12.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **Sri. M S Venkatesh,** Contractor, Bangalore.
Name of Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.

Date of Testing : 25.12.2018

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	134	2.7	2.7	97.3	95-100
10	2453	49.1	51.7	48.3	25-55
4.75	2013	40.3	92.0	8.0	0-10

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 DATE : 28.12.2018

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri. M S Venkatesh,** Contractor, Bangalore.

Name of the Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.

Date of Testing : 28.12.2018

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 40000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	28.8	287.9	3.60	Minimum required Compressive Strength of Individual Units 3.50 N/mm^2
2	Block 2	26.4	294.3	3.68	
3	Block 3	29.1	289.7	3.62	
4	Block 4	25.3	292.4	3.66	

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date: 27.01.2019

TEST REPORT ON CEMENT MORTAR CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor : **Sri. M S Venkatesh,** Contractor, Bangalore.
Name of the work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.
Sample ID : Cement Mortar
Size of cubes : 50mmx50mmx50mm
Cross Sectional Area : 2500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.12.2018	27.01.2019	0.782	12.8	5.12
2	30.12.2018	27.01.2019	0.764	13.4	5.36
3	30.12.2018	27.01.2019	0.792	13.8	5.52

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Job No.: CQCE/BBMP/MSV/W.No.14/2018-19 Date: 10.01.2019

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor : **Sri. M S Venkatesh,** Contractor, Bangalore.
Name of the work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03), BBMP, Bangalore.
Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{15}
Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.01.2019	10.01.2019	8.133	287.3	12.77
2	03.01.2019	10.01.2019	8.127	276.2	12.28
3	03.01.2019	10.01.2019	8.146	254.8	11.32

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